

**What I claim as my invention is:**

- I. An office product that threadably fits into conventional plastic beverage containers, that sharpens pencils, with said office product comprised of;**

**a housing having a pair of side walls spaced from one another, an open end defined between said pair of sidewalls, a bottom wall extending between said pair of spaced sidewalls; and,**

**adjacent to said open end, each of said pair of spaced sidewalls sharing an elongated groove adjacent to said open end; extending up to and adjacent to bottom wall; and,**

**a screw-threaded cap adjacent to said pair of side walls, integrally attached to the housing at the open end, and defining a rearward edge of the embodiment, positioned to abut said rearward edge of said screw-threaded cap to said plastic beverage container, effecting a tight seal at threaded neck of plastic beverage container, in the closed position; and,**

**wherein said housing defines a pencil-receiving opening; and, said office product further comprising a sharpening assembly mounted within said housing and positioned to sharpen a pencil inserted into said pencil-receiving opening.**

- II. A pencil sharpener, as in claim 1, for elementary school classroom students that threadably connects to conventional plastic beverage containers comprised of:**

**a housing having a pair integrally attached side walls spaced from one another, an open end defined between said pair of sidewalls, and a bottom wall extending between said pair of spaced sidewalls; and,**

**adjacent to said open end, each of said pair of spaced sidewalls sharing an elongated groove adjacent to said open end; extending up to and adjacent to bottom wall; and,**

**a screw-threaded cap adjacent to said pair of side walls, integrally attached to the housing at the open end, and defining a rearward edge of the embodiment, positioned to abut said rearward edge of said screw-threaded cap to said conventional plastic beverage container effecting a tight seal at threaded neck of conventional plastic beverage container, in the closed position; and,**

**wherein said housing defines a pencil-receiving opening; and, said pencil sharpener further comprising a sharpening assembly mounted within said housing and positioned to sharpen a pencil inserted into said pencil-receiving opening.**

- III. A bottle cap, for fitting on conventional plastic beverage containers as in claim 2 comprised of:**

**an integrally attached housing, having a pair of side walls spaced from one another, an open end defined between said pair of sidewalls, and a bottom wall extending between said pair of spaced sidewalls; and, adjacent to said open end, each of said pair of spaced sidewalls having; an elongated groove adjacent to said open end; extending up to and adjacent to bottom wall and, said screw-threaded cap adjacent to said pair of sidewalls, integrally attached to the housing at the open end, and defining rearward edge of the embodiment, positioned to abut said rearward edge of said screw-threaded cap to said conventional plastic beverage container effecting a**